

# SEQUENCE LISTING

<110> Adamou, John  
Choi, Gil

<120> Streptococcus Pneumoniae Proteins and Vaccines

<130> 469201-475

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<150> U.S. 60/138,453

<151> 1999-06-10

<160> 8

<170> PatentIn Ver. 2.1

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Forward primer  
for PCR amplification of Sp128 genomic sequences

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:Reverse primer  
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for PCR amplification of Sp130 genomic sequence

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:Reverse primer  
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<210> 5

<211> 1992

<212> DNA

<213> Streptococcus pneumoniae

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<211> 664

<212> PRT

<213> Streptococcus pneumoniae

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35 40 45

Ala Val Ile Lys Glu Lys Glu Val Val Ser Lys Asn Pro Val Ile Asp

50 55 60

Asn Asn Thr Ser Asn Glu Glu Ala Lys Ile Lys Glu Glu Asn Ser Asn

65 70 75 80

Lys Ser Gln Gly Asp Tyr Thr Asp Ser Phe Val Asn Lys Asn Thr Glu

85 90 95

Asn Pro Lys Lys Glu Asp Lys Val Val Tyr Ile Ala Glu Phe Lys Asp

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<213> *Streptococcus pneumoniae*

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